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SEQUENCE LISTING

<110> ZGene A/S
Gojkovic, Zoran

<120> Yellow fever mosquito deoxyribonucleoside kinase and its use

<130> 519-204-WO

<150> DK PA 2003 01067

<151> 2003-07-11

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<170> PatentIn version 3.1

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<212> DNA

<213> Aedes aegypti

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Pro Phe Thr Val Phe Ile Glu Gly Asn Ile Gly Ser Gly Lys Thr Thr
20 25 30
ttc ctg aac cac ttc gag aaa ttc aag gat agg gtt tgt ctg ctg acg 144
Phe Leu Asn His Phe Glu Lys Phe Lys Asp Arg Val Cys Leu Leu Thr
35 40 45
gaa cct gtg gaa aag tgg cgg gac tgc ggg gga gtc aat ctg ctg gat 192
Glu Pro Val Glu Lys Trp Arg Asp Cys Gly Gly Val Asn Leu Leu Asp
50 55 60
cta atg tac aag gaa ccg cac cgt tgg gcg atg ccg ttc cag acc tac 240
Leu Met Tyr Lys Glu Pro His Arg Trp Ala Met Pro Phe Gln Thr Tyr
65 70 75 80
gtt act ttg acg atg ctc aac atg cat act tat caa acg gat aaa agc 288
Val Thr Leu Thr Met Leu Asn Met His Thr Tyr Gln Thr Asp Lys Ser
85 90 95

gtg aag ctc atg gaa cgg tcc atg ttc agt gcc aga tat tgt ttc gtg 336
 Val Lys Leu Met Glu Arg Ser Met Phe Ser Ala Arg Tyr Cys Phe Val
 100 105 110

gaa aac atg ctc gcg tct ggt agc tta cat cag gga atg tac aat att 384
 Glu Asn Met Leu Ala Ser Gly Ser Leu His Gln Gly Met Tyr Asn Ile
 115 120 125

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 Leu Gln Glu Trp Tyr Glu Phe Ile His Ala Asn Ile His Ile Gln Ala
 130 135 140

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 Asp Leu Ile Val Tyr Leu Arg Thr Ser Pro Glu Ile Val Tyr Glu Arg
 145 150 155 160

atg aaa aag cgc gca aga tcg gaa gaa agt tgc gtt ccg tta aaa tat 528
 Met Lys Lys Arg Ala Arg Ser Glu Glu Ser Cys Val Pro Leu Lys Tyr
 165 170 175

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 Leu Gln Glu Leu His Glu Leu His Glu Asn Trp Leu Ile His Gly Thr
 180 185 190

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 Phe Pro Arg Val Ala Pro Val Leu Val Leu Asp Ala Asp Leu Asp Leu
 195 200 205

cac aac atc agc tca gaa tac aag cga tcc gaa acc agc att ctc aag 672
 His Asn Ile Ser Ser Glu Tyr Lys Arg Ser Glu Thr Ser Ile Leu Lys
 210 215 220

cct att ctc ata gat aat acc aac cag cat ccc att ctt gca tca ccc 720
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<213> Aedes aegypti

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Pro Phe Thr Val Phe Ile Glu Gly Asn Ile Gly Ser Gly Lys Thr Thr
 20 25 30

Phe Leu Asn His Phe Glu Lys Phe Lys Asp Arg Val Cys Leu Leu Thr
 35 40 45

3

Glu Pro Val Glu Lys Trp Arg Asp Cys Gly Gly Val Asn Leu Leu Asp
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 65 70 75 80
 Val Thr Leu Thr Met Leu Asn Met His Thr Tyr Gln Thr Asp Lys Ser
 85 90 95
 Val Lys Leu Met Glu Arg Ser Met Phe Ser Ala Arg Tyr Cys Phe Val
 100 105 110
 Glu Asn Met Leu Ala Ser Gly Ser Leu His Gln Gly Met Tyr Asn Ile
 115 120 125
 Leu Gln Glu Trp Tyr Glu Phe Ile His Ala Asn Ile His Ile Gln Ala
 130 135 140
 Asp Leu Ile Val Tyr Leu Arg Thr Ser Pro Glu Ile Val Tyr Glu Arg
 145 150 155 160
 Met Lys Lys Arg Ala Arg Ser Glu Glu Ser Cys Val Pro Leu Lys Tyr
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 Leu Gln Glu Leu His Glu Leu His Glu Asn Trp Leu Ile His Gly Thr
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 Phe Pro Arg Val Ala Pro Val Leu Val Leu Asp Ala Asp Leu Asp Leu
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 His Asn Ile Ser Ser Glu Tyr Lys Arg Ser Glu Thr Ser Ile Leu Lys
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